

DRUG RELEASE MEMBER, ITS PRODUCTION AND MEDICAL PLASTER MATERIAL USING SAID MEMBER

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A drug releasing system in the form of a medical patch comprised of a drug dispensing polyurethane member as a matrix for a therapeutically effective amount of drug dispersed therein. The polyurethane of the drug dispensing or releasing member is a polyurethane acrylic copolymer which is the reaction product of an oligomer of a diisocyanate, a glycol with a molecular weight between the range of 500-5000 molecular weight units and an acrylyl chain terminator having a molecular weight between the range of 40-200 molecular weight units cured by actinic radiation. In its preferred embodiment, the foregoing drug releasing or dispensing member is incorporated into a medical patch or drug release system comprised of successive layers of an ultrathin polyurethane substrate, pressure sensitive adhesive, the above-described drug releasing member and optionally a second layer of adhesive.; The drug release system of the present invention is biocompatible, oxygen and water vapor permeable, flexible and can incorporate a wide variety of drugs for a controlled, sustained release to the wearer.

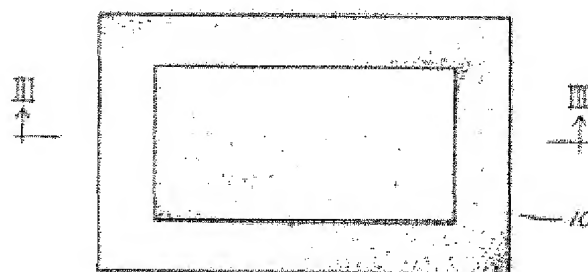


FIG. 1

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